IN THE SPECIFICATION:

Please delete paragraphs [0017] through [0021] inclusive.

Please replace paragraph [0022] with the following amended paragraph:

[0022] A method for providing quality of service(QoS) guarantee, wherein the method includes the steps of:

[[A.]] creating a service traffic flow classification table;

[[B.]] establishing a plurality of label switching paths;

[[C.]] configuring the attributes of the label switching paths;

[[D.]] classifying and conditioning the service traffic flows entering a core network at a downlink interface of an edge router according to the service traffic flow classification table;

[[E.]] forwarding the processed service traffic flows by an uplink interface of the edge router according to the attributes of the label switching paths.

Please replace paragraph [0023] with the following amended paragraph:

[0023] The step [[A]] of creating a service traffic flow classification table includes the steps of:

[[A1.]] obtaining service traffic flow information, the service traffic flow information includes flow classification spec, priority, QoS class, bandwidth requirement, path information, in which the flow classification spec includes port-level flow classification spec and/or user-level flow classification spec and/or application-flow-level classification spec;

[[A2.]] creating the service traffic flow classification table according to the obtained service traffic flow information.

Please replace paragraph [0024] with the following amended paragraph:

[0024] Particularly, the step [[A1]] of obtaining service traffic flow information is: configuring the service traffic flow information statically.

Please replace paragraph [0025] with the following amended paragraph:

[0025] Particularly, the step [[A1]] of obtaining service traffic flow information is: directly obtaining the service traffic flow information from a service control equipment.

Please replace paragraph [0026] with the following amended paragraph:

[0026] Particularly, the step [[A1]] of obtaining service traffic flow information is: ~~indirectly~~ obtaining the service traffic flow information from the service control equipment through a resource control equipment.

Please replace paragraph [0027] with the following amended paragraph:

[0027] Particularly, the step [[B]] of establishing a plurality of label switching paths is: configuring the label switching paths statically at the uplink interface of the edge router.

Please replace paragraph [0028] with the following amended paragraph:

[0028] Particularly, the step [[B]] of establishing a plurality of label switching paths is: establishing the label switching paths dynamically via constraint-routing label distribution protocol (CR-LDP) or resource reservation protocol–traffic engineering (RSVP-TE) at the uplink interface of the edge router.

Please replace paragraph [0029] with the following amended paragraph:

[0029] The step [[B]] of establishing a plurality of label switching paths further includes the step of:

constructing an edge-to-edge label switching path concatenated pipe or a virtual multi-protocol label switching network on the core network by using the label switching paths.

Please replace paragraph [0030] with the following amended paragraph:

[0030] Particularly, the step [[C]] of configuring the attributes of the label switching paths is:

configuring traffic class, priority, QoS class, bandwidth attribute of the label switching paths by network ~~traffic~~ capacity planning and traffic engineering statistics.

Please replace paragraph [0031] with the following amended paragraph:

[0031] The service traffic flow classification table comprises:

service traffic flow identification, priority, QoS class, bandwidth requirement, and outgoing aggregation path information.

Please replace paragraph [0032] with the following amended paragraph:

[0032] The step [[D]] of classifying and conditioning the service traffic flows entering a core network at a downlink interface of an edge router according to the service traffic flow classification table comprises the steps of:

[[D1.]] obtaining the service traffic flow identification;

[[D2.]] looking up the service traffic flow classification table according to the service traffic flow identification;

[[D3.]] classifying and conditioning the service traffic flow entering into the core network according to the corresponding service traffic flow information in the service traffic flow classification table.

Please replace paragraph [0033] with the following amended paragraph:

[0033] The step [[D3]] of classifying and conditioning the service traffic flow entering into the core network according to the corresponding service traffic flow information in the service traffic flow classification table includes the steps of:

[[D31.]] classifying and marking the service traffic flow according to the corresponding priority and QoS class;

[[D32.]] shaping and policing the service traffic flow according to the corresponding bandwidth requirement;

[[D33.]] selecting the forwarding mode and path of the service traffic flow according to the corresponding outgoing aggregation path information.

Please replace paragraph [0035] with the following amended paragraph:

[0035] The step [[E]] of forwarding the processed service traffic flows by an uplink interface of the edge router according to the attributes of the label switching paths includes:

[[E1.]] steering the service traffic flow to the egress router of the core network via network protocols when the best-effort delivery in accordance with network protocols is selected as the forwarding mode of the service traffic flow;

[[E2.]] steering the service traffic flow to the egress router of the core network through the label switching path concatenated pipe or the virtual multi-protocol label switching network when the delivery through the corresponding label switching path of this class of traffic is selected as the forwarding mode of the service traffic flow.

Please replace paragraph [0036] with the following amended paragraph:

[0036] The method further includes the step of:

[[F.]] modifying the service traffic flow classification table when the service traffic flow is changed.

Please replace paragraph [0037] with the following amended paragraph:

[0037] The step [[F]] <u>of modifying the service traffic flow classification table when the service traffic flow is changed</u> includes:

obtaining and adding the service traffic flows information of a <u>service</u> session into the service traffic flow classification table when the session is established;

canceling the service traffic flow information of the session from the service traffic flow classification table when the session is ended.

Please add the following new paragraph after paragraph [0037] and before paragraph [0038]:

Preferably, the core network is an IP network.

Please replace paragraph [0062] with the following amended paragraph:

[0062] The service traffic flow classification table includes the following information: service traffic flow identification, priority, QoS class, bandwidth requirement, outgoing aggregation path information.

Please replace paragraph [0068] with the following amended paragraph:

[0068] The attributes of LSP, such as traffic classes, priority, QoS class, bandwidth etc., are configured by network ~~traffic~~ capacity planning (for example, the traffic peak value of a certain traffic such as voice traffic every day, the required QoS class and bandwidth of these traffic etc.) and traffic engineering statistics (for example, the distribution of the traffic load over the network, the distribution of congestion and bottle-neck nodes, the proportion of the bandwidth that could be occupied by the traffics of various QoS classes to guarantee the network performance), so as to bear different classes of service traffic. The traffic classes can be classified according to the QoS class or the application types such as VoIP (Voice over IP)/VoD (Video on Demand)/WEB (World Wide Web) etc., and is substantially a number of traffic aggregation classes.

Please replace paragraph [0083] with the following amended paragraph:

[0083] It is necessary to condition the service traffic flow classification table according to the change of the service traffic flow when the service traffic flow of a service session changes. At the QoS control interface, ~~theservice~~ the service control equipment or resource control equipment will notify the edge router to cancel the service traffic flow information prior to the change and set the service traffic flow information following the change. That is to say, the service traffic

flow information of a service session is obtained and added into the service traffic flow classification table when the session is established; and the service traffic flow information of the session is cancelled from the service traffic flow classification table at the end of the session.